PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

To: TONY ALEXANDER	PCT		
C/O PORTFOLIOIP P.O. BOX 52050 MINNEAPOLIS, MN 55402	NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT AND THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION		
	(PCT Rule 44.1)		
	Date of mailing (day/month/year)		
Applicant's or agent's file reference 100.0037PCT BOID. DAG. WD1	FOR FURTHER ACTION See paragraphs 1 and 4 below		
International application No. PCT/US04/31898	International filing date (day/month/year) 29 September 2004 (29.09.2004)		
Applicant ALVBOLUS INC.			
The applicant is hereby notified that the international search have been established and are transmitted herewith.	th report and the written opinion of the International Searching Authority		
Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the cla	ims of the international application (see Rule 46):		
When? The time limit for filing such amendments is search report.	normally two months from the date of transmittal of the international		
Where? Directly to the International Bureau of WIPO, 34 chemin des Colombettes 1211 Geneva 20, Switzerland, Facsimile No.: +41 22 740 14 35			
For more detailed instructions, see the notes on the ac	companying sheet.		
2. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith.			
3. With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:			
the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.			
no decision has been made yet on the protest; the app	licant will be notified as soon as a decision is made.		
4. Reminders	the international application will be published by the International		
Bureau. If the applicant wishes to avoid or postpone publication	n, a notice of withdrawal of the international application, or of the Rules 90bis.1 and 90bis.3, respectively, before the completion of the		
International Bureau. The International Bureau will send a copy preliminary examination report has been or is to be established. before the expiration of 30 months from the priority date.	the written opinion of the International Searching Authority to the of such comments to all designated Offices unless an international These comments would also be made available to the public but not		
examination must be filed if the applicant wishes to postpone the	of some designated Offices, a demand for international preliminary entry into the national phase until 30 months from the priority date in 20 months from the priority date, perform the prescribed acts for		
In respect of other designated Offices, the time limit of 30 months			
See the Annex to Form PCT/IB/301 and, for details about the ap- Volume II, National Chapters and the WIPO Internet site.	plicable time limits, Office by Office, see the PCT Applicant's Guide,		
Name and mailing address of the ISA/ US	Authorized officer Sharen J. Meneyor		
Mail Stop PCT, Attn: ISA/US Commissioner for Patents	Alvin Stewart		
P.O. Box 1450 Alexandria, Virginia 22313-1450	Telephone No. 703-308-0858		
Facsimile No. (703) 305-3230			
orm PCT/ISA/220 (January 2004)	(See posits on accompanying sheet)		

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PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 100.0037PCT		Form PCT/ISA/220
	ACTION	ere applicable, item 5 below.
International application No. PCT/US04/31898	International filing date (day/month/year) 29 September 2004 (29.09.2004)	(Earliest) Priority Date (day/month/year) 30 September 2003 (30.09.2003)
Applicant		
ALVEOLUS INC.		
This international search report has been applicant according to Article 18. A co	n prepared by this International Searching py is being transmitted to the International	Authority and is transmitted to the Bureau.
This international search report consists	of a total of 7 sheets.	·
It is also accompanied	by a copy of each prior art document cite	ed in this report.
1. Basis of the Report		
a. With regard to the language, the language in which it was filed, u	e international search was carried out on the inless otherwise indicated under this item.	basis of the international application in the
	search was carried out on the basis of a tran	slation of the international application
	rity (Rule 23.1(b)).	
b. With regard to any nucleot	ide and/or amino acid sequence disclosed in	n the international application, see Box No.
2. Certain claims were found	unsearchable (See Box No. II)	•
3. Unity of invention is lacking	ng (See Box No. III)	
4. With regard to the title,		
the text is approved as subm	nitted by the applicant.	
the text has been established	by this Authority to read as follows:	İ
		·
		i
5. With regard to the abstract,		
the text is approved as subm	itted by the applicant.	
	, according to Rule 38.2(b), by this Authoric	ty as it appears in Box No. IV. The
applicant may, within of to this Authority.	one month from the date of mailing of this in	ternational search report, submit comments
to the resulting.		·
6. With regard to the drawings, a. the figure of the drawings to be	published with the abstract is Figure No. 1	
as suggested by the		
as selected by this A	Authority, because the applicant failed to sug	gest a figure.
as selected by this A	authority, because this figure better characte	rizes the invention.
b none of the figures is to be r	sublished with the abstract.	

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/31898

Box IV	TEXT OF THE	ABSTRACT	(Continuation of Item	5 of the first sheet)
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The technical features mentioned in the abstract do not include a reference sign between parentheses (PCT Rule 8.1(d)).

NEW ABSTRACT

The present invention, in an exemplary embodiment, provides a stent (10), which combines many of the excellent characteristics of both silicone and metal stents while eliminating the undesirable ones. In particular, a principal objective in accordance with the present invention is to provide a family of stents where the relative hardness/softness of regions of the stent can differ from other regions of the stent (10) to provide additional patient comfort and resistance to radial forces. An exemplary embodiment also provides a family of stents with obstruction clearance and/or radiation therapy capabilities.

Form PCT/ISA/210 (continuation of first sheet(3)) (January 2004)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/31898

IPC(7) US CL	SSIFICATION OF SUBJECT MATTER : A61F 2/06 : 623/1.15, 1.17, 1.19, 1.2, 1.42 International Patent Classification (IPC) or to both	national classification and IPC	
	DS SEARCHED		
	cumentation searched (classification system followed 23/1.15, 1.17, 1.19, 1.2, 42	by classification symbols)	
Documentati	on searched other than minimum documentation to the	e extent that such documents are included	in the fields searched
Electronic da	ata base consulted during the international search (na	me of data base and, where practicable, se	earch terms used)
C. DOC	UMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where a		Relevant to claim No.
X.	US 6,436,133 B1 (Furst et al) 20 August 2002 (20. 12-14; col. 3, lines 27-31; and col. 4, lines 25-32.	08.2002), see figs. 1-6, col. 2, lines	1-6
			,
Further	documents are listed in the continuation of Box C.	See patent family annex.	
"A" document of particu	pecial categories of cited documents: defining the general state of the art which is not considered to be lar relevance plication or patent published on or after the international filing date	"T" later document published after the interr date and not in conflict with the applicat principle or theory underlying the invent "X" document of particular relevance; the cl considered novel or cannot be considered when the document is taken alone	tion but cited to understand the tion aimed invention cannot be
establish t specified)		"Y" document of particular relevance; the cl considered to involve an inventive step of combined with one or more other such of	when the document is documents, such combination
"O" document	referring to an oral disclosure, use, exhibition or other means	being obvious to a person skilled in the	art
priority de	published prior to the international filing date but later than the ate claimed	"&" document member of the same patent fa	
Date of the a	ctual completion of the international search	Date of mailing of the international search 09 MAR 2005	ou report
	005 (25.01.2005)		1
Mai Com P.O Ales	ailing address of the ISA/US I Stop PCT, Attn: ISA/US nmissioner for Patents Box 1450 kandria, Virginia 22313-1450 (703) 305-3230	Alvin Stewart Telephone No. 703-308-0858	Cheene for
Taronnine 140	. (100) 000 0000		

From the INTERNATIONAL SEARCHING AUTHORITY To: TONY ALEXANDER C/O PORTFOLIOIP P.O. BOX 52050 WRITTEN OPINION OF THE MINNEAPOLIS, MN 55402 INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1) Date of mailing 09 MAR 2005 (day/month/year) FOR FURTHER ACTION Applicant's or agent's file reference See paragraph 2 below 100.0037PCT Priority date (day/month/year) International filing date (day/month/year) International application No. 30 September 2003 (30.09.2003) PCT/US04/31898 29 September 2004 (29.09.2004) International Patent Classification (IPC) or both national classification and IPC IPC(7): A61F 2/06 and US Cl.: 623/1.15, 1.17, 1.19, 1.2, 1.42 Applicant ALVEOLUS INC. 1. This opinion contains indications relating to the following items: Box No. I Basis of the opinion Box No. II Priority Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. III Box No. IV Lack of unity of invention Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial Box No. V applicability; citations and explanations supporting such statement Box No. VI Certain documents cited Box No. VII Certain defects in the international application Certain observations on the international application Box No. VIII 2. FURTHER ACTION If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an

Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/ US Mail Stop PCT, Attn: ISA/US Commissioner for Patents

P.O. Box 1450 Alexandria, Virginia 22313-1450

Facsimile No. (703) 305-3230

Authorized officer

Telephone No. 703-308-0858

Form PCT/ISA/237 (cover sheet) (January 2004)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/US04/31898

 With regard to the language, this opinion has been established on the basis of the international application in the language if it was filed, unless otherwise indicated under this item. This opinion has been established on the basis of a translation from the original language into the following language which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b) With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary 	·))).
it was filed, unless otherwise indicated under this item. This opinion has been established on the basis of a translation from the original language into the following language which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)). With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary	·))).
which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.10). With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary))).
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary	to the
claimed invention, this opinion has been established on the basis of:	
a. type of material	
a sequence listing	
table(s) related to the sequence listing	
b. format of material	
in written format	
in computer readable form	
c. time of filing/furnishing	
contained in international application as filed.	
filed together with the international application in computer readable form.	
furnished subsequently to this Authority for the purposes of search.	
3. In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has filed or furnished, the required statements that the information in the subsequent or additional copies is identical to the application as filed or does not go beyond the application as filed, as appropriate, were furnished.	been hat in
4. Additional comments:	
	

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US04/31898

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
1. Statement			
Novelty (N)	Claims	NONE	YES
110.120, (24)	Claims	1-6	NO
Inventive step (IS)	Claims	NONE	YES
michael Copy	Claims		NO
Industrial applicability (IA)	Claims	1-6	YES
	Claims	NONE	NO
Court at all disaboses a stept comprising a scaff	folding (the	g anticipated by Furst et al US Patent 6,436,133 B1. e frame) having a cylindrical member having a distal protosec col. 2, lines 29-31; lines 56-58; and col. 5, lines 38-	ximal end, -41).